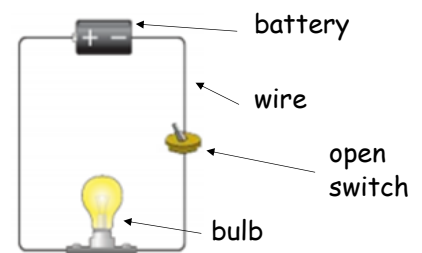
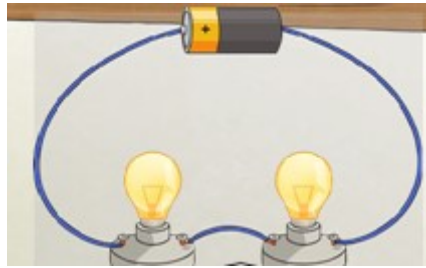


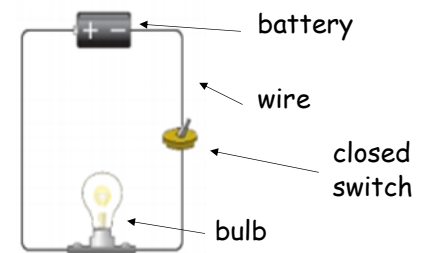
Year 4: Electricity

Key Learning

Electricity can only flow around a complete circuit that has no gaps. There must be wires connected to both the positive and negative end of the power supply/battery.



Many everyday appliances need electricity for them to work. Some appliances need to be plugged into a socket (mains electricity) and other have a battery to make them work.



Switches can be used to open or close a circuit.



Metals are good electrical conductors.

Wood, plastic and glass are good electrical insulators.



Key Vocabulary

Electricity	The flow of an electrical current through a material, e.g. from a power source through wires to an appliance.
Battery (cell)	A device that stores electrical energy as a chemical.
Circuit	A pathway that electricity can flow around. It includes wires and a power supply and may also include bulbs, switches and buzzers.
Complete circuit	When parts of a circuit create a complete, unbroken path for electricity to flow through.
Electrical conductor	Something that allows electricity to flow through it—metals.
Electrical insulator	Something that does not allow electricity to flow through it—plastic, wool, fabric, paper and cardboard.